

Amendments to the Specification

Please amend the specification, as follows:

Page 1, lines 1-2, replace the title paragraph with the following amended paragraph:

TYRE, WHEEL, METHOD AND SYSTEM FOR MONITORING [[A]] THE TYRE,
DURING THE RUNNING OF AND METHOD FOR CONTROLLING A VEHICLE

Page 1, line 3, add the following new paragraph after the new title “TYRE, WHEEL, METHOD AND SYSTEM FOR MONITORING THE TYRE, AND METHOD FOR CONTROLLING A VEHICLE” and prior to the start of the paragraph beginning “The present invention relates to a method”

CROSS-REFERENCE TO RELATED APPLICATIONS

Page 1, line 3, add the following new paragraph after the heading “CROSS-REFERENCE TO RELATED APPLICATIONS” added above and prior to the start of the paragraph beginning “The present invention relates to a method”

This application is a national-phase entry under 35 U.S.C. § 371 from International Application No. PCT/EP03/03088, filed March 25, 2003, in the European Patent Office, the content of which is relied upon and incorporated herein by reference; additionally, Applicants

claim the right of priority under 35 U.S.C. § 119(a) - (d) based on International Application No. PCT/EP02/03498, filed March 28, 2002, in the European Patent Office.

Page 1, line 3, add the following new paragraph in the form of a section heading after the claims to the right of priority and benefit added above and prior to the start of the paragraph beginning “The present invention relates to a method”

BACKGROUND OF THE INVENTION

Page 1, line 3, add the following new paragraph in the form of a section subheading after the heading “BACKGROUND OF THE INVENTION” added above and prior to the start of the paragraph beginning “The present invention relates to a method”

Field of the Invention

Page 1, line 7, add the following new paragraph in the form of a section subheading prior to the start of the paragraph beginning “Tyre monitoring systems using accelerometers”

Description of the Related Art

Page 2, line 16, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “The Applicant has faced the problem”

SUMMARY OF THE INVENTION

Page 7, line 12, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Characteristics and advantages”

BRIEF DESCRIPTION OF THE DRAWINGS

Page 7, line 30, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Figure 1 shows an exemplary tyre 1”

DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

Add a new page 22 after the claims, adding the following ABSTRACT OF THE DISCLOSURE. A new, separate page 22 including the ABSTRACT OF THE DISCLOSURE is enclosed.

ABSTRACT OF THE DISCLOSURE

A method for monitoring a tyre during running includes acquiring and storing, at least temporarily, a first curve representing an acceleration profile of a first point of a tread area of the tyre; acquiring and storing, at least temporarily, at least one second curve representing an acceleration profile of a second point of the tread area; and comparing the first curve and the at least one second curve, or parameters derived from the first curve and the at least one second

curve, so as to determine a dynamic behavior of the tyre. The first and second points are located substantially on a same meridian plane of the tyre. A related tyre, wheel for a vehicle, system for monitoring a tyre during running, and method for controlling a vehicle are also disclosed.